THE TERRAMASTER D8 Hybrid 2 8-bay

Model: D8 Hybrid 2

Manufacturer: TERRAMASTER

EAN: 6939236148214

Product Code: 1742735

R8,619

TerraMaster D8 Hybrid 2 DAS Enclosure, 8 Bays

The TerraMaster D8 Hybrid 2 is an 8-bay DAS enclosure that allows you to expand storage capacity up to 152 TB of raw capacity. The device simultaneously supports 4 SATA 2.5"/3.5" HDDs or SSDs and 4 M.2 NVMe 2280 SSDs, combining the large capacity of traditional drives with the high performance of solid-state storage. The USB 3.2 Gen 2 Type-C interface offers a bandwidth of up to 10 Gb/s, and the maximum read speed can reach 1,020 MB/s. The enclosure is compatible with Windows, macOS, and Linux systems and allows for the expansion of storage capacity on compatible NAS servers. TerraMaster TPM power management technology, intelligent cooling with a quiet FDB fan, and tool-free drive installation enhance user convenience and ensure stable device operation.

8 bays and up to 152 TB of storage space

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The TerraMaster D8 Hybrid 2 offers four SATA drive bays and four slots for 2280-format M.2 NVMe SSDs. The maximum raw capacity is 152 TB when using four 30-TB HDDs and four 8-TB M.2 SSDs. This vast storage capacity allows you to store extensive photo libraries, high-resolution videos, surveillance footage, graphic design projects, and backups of important files.

Combining the high capacity of HDDs with the speed of SSDs

The D8 Hybrid 2’s hybrid design lets you take advantage of both types of drives. Fast M.2 NVMe SSDs can be used to store frequently accessed files, such as active projects, video editing materials, or large working documents. In turn, high-capacity HDDs are ideal for archival recordings, older projects, and backups. This division allows you to maintain fast access to current data while reducing the costs of long-term storage for large amounts of files.

Fast Data Transfer via USB-C at 10 Gb/s

The enclosure is equipped with a USB 3.2 Gen 2 Type-C interface, which supports data transfer speeds of up to 10 Gb/s. Read speeds from a single M.2 SSD can reach 1020 MB/s, and write speeds up to 980 MB/s. This means that transferring a 5 GB file can take just a few seconds. This high performance is particularly useful when transferring large multimedia libraries, exporting video projects, or creating backups. The included 0.8-meter USB-C to USB-C cable allows for convenient connection of the device to a computer.

TerraMaster TPM Smart Power Management

TerraMaster technology allows you to adjust power consumption and drive wake-up times based on how you use the enclosure. In Power Save mode, the device and drives enter a deep sleep state, reducing power consumption by up to 98%. This solution is ideal when access to stored files is needed only occasionally. Active Mode keeps selected system components on standby, ensuring faster drive wake-up times. It reduces power consumption by up to 70% while increasing the wake-up speed of HDDs by 200% and SSDs by 600%. This allows users to choose between maximum energy savings and shorter wait times for file access.

Tool-Free Installation and Convenient Drive Replacement

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The TerraMaster D8 Hybrid 2 uses a Push-lock mounting system that allows you to install HDDs and M.2 SSDs without the need for additional tools. The latch mechanism secures the drives quickly and securely, minimizing the risk of them accidentally ejecting. This solution simplifies the initial setup of the device and subsequent expansion of storage capacity. It is particularly convenient for users who regularly replace drives. The power button and drive activity indicators located on the front panel further simplify the use of the enclosure.

Quiet and Efficient Drive Cooling

A 120 × 120 × 25 mm FDB (Fluid Dynamic Bearing) fan, equipped with an intelligent speed control system, is responsible for maintaining the proper temperature. Its speed is automatically adjusted based on the temperature of the drives, allowing for effective heat dissipation without generating excessive noise. The noise level is 21 dB(A), and the fan’s lifespan exceeds 50,000 hours. Additionally, the optimized internal design improves airflow and reduces vibration, ensuring stable operation even under heavy load.

Compatibility with Windows, macOS, and Linux

The enclosure operates in Plug & Play mode, so it does not require the installation of additional drivers on supported operating systems. It can be connected to a computer running Windows, macOS, or Linux, as well as to compatible servers, TVs, and other devices that support external USB drives. The TerraMaster D8 Hybrid 2 supports popular file systems such as NTFS, APFS, EXT4, FAT32, and exFAT. Using exFAT makes it easier to transfer large files between Windows and macOS computers without having to reformat the drive each time. Actual read and write capabilities depend on the file system and the supported device.

Expanding NAS Storage Capacity

The TerraMaster D8 Hybrid 2 can function as an external storage expansion module for NAS servers. The device works with compatible TerraMaster servers running TOS 5 and TOS 6, allowing the use of four SATA drives and four M.2 SSDs. Depending on the capabilities of the server and the operating system, users can create disk pools, configure RAID arrays, and use snapshot features. The enclosure itself operates in Single Disk mode and does not offer hardware-based RAID support. The D8 Hybrid 2 can also be used to expand storage capacity in environments such as Windows Server,

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Linux, Proxmox, TrueNAS, and Unraid. This makes it ideal for home data storage systems as well as for businesses and creative studios.

Convenient Backup

The D8 Hybrid 2 allows you to store backups of documents, photos, videos, and other important files. Windows users can take advantage of the TerraMaster TPC Backupper software, which supports incremental and differential backups. This allows you to save changes to files without having to copy their entire contents each time, saving both time and disk space. For Mac computers, you can use the built-in Time Machine feature.

Compact Design and Practical Features

Despite its capacity to accommodate eight drives, the TerraMaster D8 Hybrid 2 measures 222 × 179 × 154 mm, so it doesn’t take up much space on a desk or workstation. The enclosure weighs approximately 1.9 kg without drives and is equipped with a USB-C port and a 12 V DC power jack. The package includes a 90 W power adapter, a power cord, a 0.8 m USB-C to USB-C 10 Gb/s cable, and documentation.

Included

- TerraMaster D8 Hybrid 2 enclosure
- 90 W power adapter
- Power cable
- USB-C to USB-C 10 Gb/s cable, 0.8 m
- Quick installation guide
- Mounting screws
- Warranty document

Manufacturer	TerraMaster
Model	D8 Hybrid 2
Device type	DAS enclosure

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Number of bays	8 (4 × SATA + 4 × M.2 NVMe)
Supported SATA drives	3.5" HDD, 2.5" HDD, 2.5" SSD
Supported M.2 drives	PCIe NVMe 2280 SSDs
Maximum raw capacity	152 TB (4 × 30 TB HDD + 4 × 8 TB M.2 SSD)
Drive operating mode	Single Disk (no hardware RAID)
Interface	USB 3.2 Gen 2 Type-C
Maximum bandwidth	10 Gb/s
Maximum read speed (1 × M.2 SSD)	1020 MB/s
Maximum write speed (1 × M.2 SSD)	980 MB/s
Maximum read speed (1 × SATA SSD)	560 MB/s
Maximum write speed (1 × SATA SSD)	520 MB/s
Maximum read speed (4 × SATA SSD)	1016 MB/s
Maximum write speed (4 × SATA SSD)	960 MB/s
Supported operating systems	Windows, macOS, Linux
Supported file systems	NTFS, APFS, FAT32, EXT4, exFAT
NAS Compatibility	TerraMaster TOS 5 and TOS 6, as well as compatible server environments
Power Management	TerraMaster TPM (Power Save / Active)
Disk Sleep Mode	Yes
Cooling	FDB fan 120 × 120 × 25 mm
Fan control	Intelligent speed control
Noise level	21 dB(A)
Power supply	DC 12 V
Power supply output	90 W
Input voltage	100–240 V AC, 50/60 Hz
Power consumption during read/write operations	40.8 W (4 × Seagate 22 TB ST22000NM001E HDDs)
Power consumption in sleep mode	9.8 W (4 × Seagate 22 TB ST22000NM001E HDDs)
Operating temperature	0–40°C
Storage temperature	–20°C to 60°C

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Relative humidity	5–95%
Dimensions	222 × 179 × 154 mm
Weight	1.9 kg

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_drive_enclosures.pdf, PPWR: https://ppwr.innpro.pl/en/terramaster, Gross weight: 3100, Net weight: 1900, Box length: 30,00, Box width: 27,50, Box height: 18,60, Last delivery: 17.11.2026

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